

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13450	radar and (car or automotive or automobile or vehicular or traffic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L2	269199	(change or changing or changed or shift or shifting or shifted) near10 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L3	42635	(carrier or center) same L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L4	801	L1 and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L5	616438	"FFT" or spectrum or spectra or spectral or Fourier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L6	560	L4 and L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L7	154571	(multiple or plurality or plural) near10 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L8	360	L6 and L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41

L9	272107	(modulated or modulate or modulation or oscillate or oscillated or oscillation) near10 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L10	278	L8 and L9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:46
L11	5	10 and @pd>="20041209" and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:52
L12	3359	((342/70) or (342/71) or (342/72) or (342/98) or (342/99) or (342/100) or (342/101) or (342/102) or (342/103) or (342/111) or (342/112) or (342/116) or (342/127) or (342/128) or (342/129) or (342/135) or (342/137) or (342/159) or (342/192) or (342/196)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/06/21 09:52
L13	20	12 and @pd>="20041209" and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:53

EAST - 110605562.wsp:4

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Search Results

Search Terms: 342/70, 342/71, 342/72, 342/98, 342/99, 342/100, 342/101, 342/102, 342/103, 342/111, 342/112, 342/116, 342/127, 342/128, 342/129, 342/135, 342/137, 342/159, 342/192, 342/196

Document 1: Kind Codes Source Location Pages Title Invenio

Search Terms	Total	USPAT	US-PGP	EPO	JPO	Derog.
1 342/100	72					
2 342/101	56					
3 342/102	65					
4 342/103	97					
5 342/111	129					
6 342/112	63					
7 342/116	60					
8 342/127	228					
9 342/128	409					

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12

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15

F165 9-22-03

## SEARCH NOTES FOR EAST, IEEE, INSPEC, AND IP.COM

**SERIAL NUMBER**

**10665562**

EAST: search history attached

### IEEE SEARCH

Search terms: radar <and> (vehicular <or> automotive) <and>  
(carrier <or> center)

UPDATED SEARCH ABOVE 21JUNE2005

**1. Ultra-wideband radar sensors for short-range vehicular applications**

Gresham, I.; Jenkins, A.; Egri, R.; Eswarappa, C.; Kinayman, N.; Jain, N.; Anderson, R.; Kolak, F.; Wohler, R.; Bawell, S.P.; Bennett, J.; Lanteri, J.-P.

Microwave Theory and Techniques, IEEE Transactions on  
Volume 52, Issue 9, Sept. 2004 Page(s): 2105 - 2122

**2. Three-frequency principle for automotive radar system**

Hui Zhang; Ke Wu

Radio and Wireless Conference, 2004 IEEE  
19-22 Sept. 2004 Page(s): 315 - 318

**3. Residual-carrier-free burst oscillator for automotive uwb radar applications**

Teshirogi, T.; Saito, S.; Uchino, M.; Ejima, M.; Hamaguchi, K.; Ogawa, H.; Kohno, R.

Electronics Letters

Volume 41, Issue 9, 28 April 2005 Page(s): 33 - 34

### INSPEC SEARCH

Search strategy

No. Database Search term Info added  
since Results

1 INZZ

radar AND (vehicular OR  
automotive) AND (carrier OR  
center)

unrestricted 60

2 INZZ

**FMCW OR CWFM OR FM-CW OR  
CW-FM OR frequency AND  
(modulated OR modulating OR  
modulation) OR frequency-  
modulated**

unrestricted 62716

3 INZZ 1 AND 2 unrestricted 6

Saved: 21-Jun-2005, 16:09:47 CET

2

**INSPEC - 1969 to date (INZZ)**

**Target distance and velocity measurement algorithm to reduce false targets in  
FMCW automotive  
radar.**

**Author(s)**

Mitsumoto-M; Uehara-N; Inatsune-S; Kirimoto-T.

**Source**

IEICE-Transactions-on-Communications (Japan), vol.E83-B, no.9, p.1983-9, Sept. 2000. ,

Published: Inst.

Electron. Inf. & Commun. Eng.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Multifunctional radar sensor for automotive application.**

**Author(s)**

Wollitzer-M; Buechler-J; Luy-J-F; Siart-U; Schmidhammer-E; Detlefsen-J; Esslinger-M.

**Source**

IEEE-Transactions-on-Microwave-Theory-and-Techniques (USA), vol.46, no.5, pt.2,

p.701-8, May 1998.

, Published: IEEE.

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1

**IP.COM**

Search terms:

radar and (vehicular or automotive) and (carrier or center)

Displaying records #1 through 3 out of 3

NONE GOOD